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10/814,735	03/31/2004	Bharat V. Bedi	GB920030094US1	7199

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EXAMINER	
SHAW, PELING ANDY	

ART UNIT	PAPER NUMBER
2444	

NOTIFICATION DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.	Applicant(s)	
	10/814,735	BEDI ET AL.	
	Examiner	Art Unit	
	PELING A. SHAW	2444	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *26 November 2008*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-7,10-14 and 24-27* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-7,10-14 and 24-27* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1. Amendment received on 11/26/2008 has been entered into record. Claims 1-7 and 10-14 are amended. Claims 8-9 and 15-23 are cancelled. Claims 24-27 are new. Claims 1-7, 10-14 and 24-27 are currently pending.

Priority

2. This application has claimed priority on United Kingdom 0326915.6 filed on 11/19/2003. The filing date is 03/31/2004.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-7, 11-14 and 24-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hassett et al. (US 6807558 B1), hereinafter referred as Hassett in view of Goodman et al. (US 7020697 B1), hereinafter referred as Goodman.

a. Hassett shows (claim 1) a computer implemented method of automatically reloading a page on a client computing device (column 1, line 57-column 2, line 5: user receives updated information either in response to automatic polling by push client software or in response to sending immediate information updates by server), the computer implemented method comprising storing a page on a server (column 2, lines 22-51: information server stores information items and advertisement; column 14,

lines 45-61: stored on both information server and subscriber computer); responsive to receiving a real-time notification that the server is transmitting a copy of the page to a browser of the client computing device in response to a request from said browser received at said server, said copy of the page being transmitted to the browser over a network connecting the client computing device to the server (column 3, lines 6-20: request and retrieve information; column 1, line 57-column 2, line 5: user receives updated information in response to automatic polling by push client software; Fig. 10, column 14, line 63-column 15, line 49: click on news item for display primary and secondary news components); determining, by a message broker, whether a change message is to be communicated to the browser, based on a user selected list of network addresses for the client registered with the message broker, wherein the user selected list of network addresses comprises a plurality of network addresses of pages to be automatically maintained in an updated form (column 2, lines 52-61: PointCast network is used to subscribes to channels or topics of interest, user's expressed preferences are captured in a subscriber profile to control information retrieved from a server in response to automatic polling or pushing from the server for update; column 14, lines 17-61; subscriber uses screen saver to view news items displayed, subscriber clicks on advertisement to access WWW page wherein web site address is used for WWW connection; Fig. 18, column 48, line 16 to column 49, line 18: subscribe a PointCast web news channel connection by typing a URL; and column 28, lines 48-62: PointCast content will use root-level URLs); and updating the content of the page stored on the server (claim 1 and 7: receive

distributive information, determining updated information; column 2, lines 22-51: information server updates information items and advertisement; column 5, lines 46-61: selected and edited news stories are stored); transmitting the message to said browser in real-time, by the message broker, in response to the message broker determining that the network address of the page is registered in the list of network addresses for the client computing device, wherein the change message notifies the browser of a change in the content of the page (column 1, line 57-column 2, line 5: sending immediate information updates). Hassett does not explicitly show said browser automatically requests a copy of the updated page. However, Hassett also shows (column 9, line 57-column 10, line 6) local information updated as necessary; (column 1, lines 33-44) local workstation information, files and/or advertising display refresh; (column 15, lines 4-14 and 40-44) click and provide additional information; (column 16, lines 47-67) only downloading news items corresponding to the subscriber's user profile; and (column 32, lines 15-23) prefilter fetch.

b. Goodman shows automatic requested information distribution synchronous or asynchronous push/pull services (column 110, line 33-column 111, line 4) in an analogous art for the purpose of architectures for netcentric computing systems.

c. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify Hassett's functions of utilizing information "push" technology with Goodman's functions of automatic information request and distribution.

d. The modification would have been obvious because one of ordinary skill in the art would have been motivated to utilize Goodman's functions of automatic asynchronously or synchronously information updating as applied to publish/subscribe services as per Goodman (column 110, lines 46-59) and Hassett (column 1, line 57-column 2, line 5).

e. Regarding claim 2, Hassett shows wherein the change message is generated by an application implementable by the server (column 16, lines 24-35: application server).

f. Regarding claim 3, Hassett shows wherein the server is an application server (column 16, lines 24-35: application server).

g. Regarding claim 4, Goodman shows wherein the message broker is located on a message broker server (column 87, line 58-column 88, line 9: request broker messaging services).

h. Regarding claim 5, Goodman shows wherein the message broker server comprises a publish/subscribe engine and in that the change message is communicated to the browser using a socket transport protocol (column 84, lines 8-15: HTTP over TCP/IP; column 85, line 56-column 86, lines 2: publish/subscribe messaging).

i. Regarding claim 6, Hassett shows further comprising: registering with a message broker agent/server a network address of a page, by the browser; and determining by the message broker agent/server, on the basis of said registered network page address, whether a received change message is to be communicated to the browser (column 2, lines 52-61: information items; column 14, lines 45-61: web site address; column 16,

lines 47-67: download news items corresponding to subscriber's user profile; column 28, lines 48-62: use root-level URLs; column 30, lines 27-31: data center IP address).

j. Regarding claim 7, Hassett shows further comprising: registering, with the message broker agent/server, a plurality of network addresses for pages which are used by the message broker agent/server to determine if a received change message is to be communicated to the browser (column 2, lines 52-61: information items; column 28, lines 48-62: use root-level URLs).

k. Claim 11 is of the same scope as claim 1. It is rejected for the same reasons as for claim 1.

l. Regarding claim 12, Goodman shows wherein the program code for causing said browser to automatically request a copy of the updated page upon receipt of the change message is downloaded from the message broker agent/server (column 87, line 58-column 88, line 9: request broker messaging services).

m. Regarding claim 13, Goodman shows wherein the page comprises a the program code for causing said browser to automatically request a copy of the updated page upon receipt of the change message, and wherein the program code comprises a Java applet embedded in the page (column 75, lines 14-20: Java applet on a HTML page; column 115, lines 16-26: downloaded at runtime or permanently stored on remote client workstations client business logic applications through Java applet).

n. Regarding claim 14, Goodman shows wherein the browser embeds the Java applet into subsequently downloaded pages from a same website (column 75, lines 14-20: Java applet on a HTML page; column 115, lines 16-26: downloaded at runtime or

permanently stored on remote client workstations client business logic applications through Java applet).

o. Claim 24 is of the same scope as claim 1. It is rejected for the same reasons as for claim 1.

p. Regarding claims 25-26, Goodman shows wherein the push client agent is part of the browser and wherein the push client agent is a Java applet embedded in the page (column 75, lines 14-20: Java applet on a HTML page; column 115, lines 16-26: downloaded at runtime or permanently stored on remote client workstations client business logic applications through Java applet).

q. Claim 27 is of the same scope as claims 1-3. It is rejected for the same reasons as for claims 1-3.

Together Hassett and Goodman disclosed all limitations of claims 1-7, 11-14 and 24-27.

Claims 1-7, 11-14 and 24-27 are rejected under 35 U.S.C. 103(a).

4. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hassett, Goodman and further in view of Reed et al. (US 6345288 B1), hereinafter referred as Reed.

a. Hassett and Goodman show claim 1-2 and 6-7 as above. Neither Hassett nor Goodman shows (claim 10) wherein the user selected list of network addresses comprise a user selected subset of the browser bookmark list. However, Hassett shows (column 1, line 57-column 2, line 5 and column 2, lines 52-61) publishing and subscribing information items (column 28, lines 48-62) by using root-level URLs.

b. Reed shows using bookmarks to facilitate web page subsequent access (column 3, line 64-column 4, line 28) in an analogous art for the purpose of computer-base communication using metadata defining a control-structure.

c. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify Hassett's functions of subscribing information items to utilize Reed's fuctions of using bookmarks to track web page access.

d. The modification would have been obvious because one of ordinary skill in the art would have been motivated to utilize bookmarks as per Reed's in tracking information subscription services as per Goodman (column 110, lines 46-59), Hassett (column 1, line 57-column 2, line 5) and Reed (column 7, lines 13-58).

Together Hassett, Goodman and Reed disclosed all limitations of claim 10. Claim 10 is rejected under 35 U.S.C. 103(a).

Response to Arguments

5. Applicant's arguments filed on 11/26/2008 have been fully considered, but they are not persuasive.

a. Applicant argued that the combination of the references, when considered as whole, fails to teach or suggest the feature "determining, by a message broker, whether a change message is to be communicated to the browser, based on a user selected list of network addresses for the client registered with the message broker," as recited in claim 1 (see 1st paragraph on page 10 of current amendment). Examiner has reviewed the claim rejection on the argued limitation. Hassett has shown (column 2, lines 52-61) PointCast network is used to subscribes to channels or topics of interest, user's expressed preferences are captured in a subscriber profile to control information retrieved from a server in response to automatic polling or pushing from the server for update; (column 14, lines 17-61) subscriber uses screen saver to view news items displayed, subscriber clicks on advertisement to access WWW page wherein web site address is used for WWW connection; (Fig. 18, column 48, line 16 to column 49, line 18) subscribe a PointCast web news channel connection by typing a URL; and (column 28, lines 48-62) PointCast content will use root-level URLs. These should teach or suggest the argued limitation.

b. Applicant argued that the proposed combination of the references, when considered as a whole, fails to teach or suggest "transmitting the change message to said browser in real-time, by the message broker, in response to the message broker determining that the network address of the page is registered in the list of network addresses for

the client computing device, wherein the change message notifies the browser of a change in the content of the page, wherein said browser automatically requests a copy of the updated page," as in claim 1 (see 1st paragraph on page 11 of current amendment). Examiner has reviewed the claim rejection on the argued limitation. In addition to reference cited from Hassett in item a above, Hassett has shown (column 3, lines 6-20) request and retrieve information; (column 1, line 57-column 2, line 5) user receives updated information in response to automatic polling by push client software; and (Fig. 10, column 14, line 63-column 15, line 49) click on news item for display primary and secondary news components. These seems to disclose the argued limitation.

c. Applicant argued that the Examiner fails to present a primafacie case of obviousness because the Examiner has not stated a proper reason to combine the references and the proposed modification of Hassett would not be made when Hassett is considered as a whole with respect to claim 10 rejection (see section III.C, III.D and III.E on pages 13 and 14 of current amendment). Reed has shown (column 3, line 64-column 4, line 28) using bookmarks to facilitate web page subsequent access and Smart Bookmarks are used to update change information. These seem to read upon further limitation of claim 10 in light of applicant's specification. Hassett, Goodman and Reed are all in the art of updating information subscribed by user. Reed alone seems to provide the general art in disclosing applicant's claimed invention. Together Hassett, Goodman and Reed provide more comprehensive description on the art of updating formation subscribed by user. It is Examiner's opinion that there is enough

motivation to combine Hassett, Goodman and Reed in this general art as shown above.

Remarks

6. The following pertaining arts are discovered and not used in this office action. Office reserves the right to use these arts in later actions.

a. Reilly et al. (US 5740549 A) Information and advertising distribution system and method

Conclusion

7. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Refer to the enclosed PTO-892 for details.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peling A. Shaw whose telephone number is (571) 272-7968. The examiner can normally be reached on M-F 8:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William C. Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the statu9s of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Peling A Shaw/
Examiner, Art Unit 2444